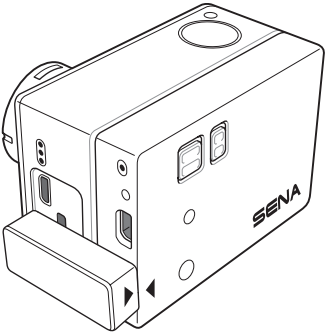
SENA

Sena Bluetooth Pack for GoPro®

User's Guide



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1. INTRODUCTION

Thank you for choosing the Sena Bluetooth Pack for GoPro®. The Sena Bluetooth Pack for GoPro® is a specially designed adapter for the GoPro® Hero3 and Hero3+ allowing for Bluetooth capabilities. With the use of Bluetooth headsets, the Sena Bluetooth Pack for GoPro® allows users to add their voice to the video on-the-fly using the Bluetooth Audio Recording™ feature. Being able to narrate the video during recording not only provides users a whole new experience but also reduces the need for follow-up audio editing providing real-time audio experiences.

Please read this user's guide carefully before using this Bluetooth pack. Also visit **www.SenaBluetooth.com** for the latest version of the user's guide and firmware for additional information related to Sena Bluetooth products.

Sena Bluetooth Pack for GoPro® includes the following features:

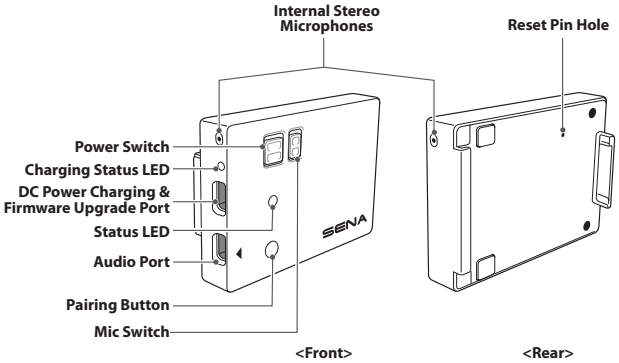
- Compatibility with GoPro® Hero3 and GoPro® Hero3+ cameras only
- Real time voice transfer to GoPro® Hero3 and Hero3+
- Intercom conversation transfer up to 3 Sena headsets
- Ultra HD Voice Recording™ by using Sena products
- Pair up to 3 different headsets

Sena Bluetooth Pack for GoPro® is compatible with the following models:

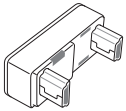
- Sena headsets
- Non-Sena mono & stereo Bluetooth headsets with mobile phone pairing capability
- Non-Sena motorcycle Bluetooth headsets

2. PACKAGE CONTENTS

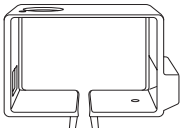
Bluetooth Pack



Audio Connector



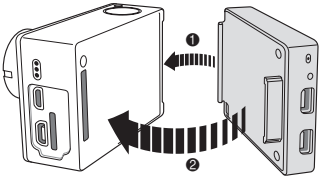
Frame Case



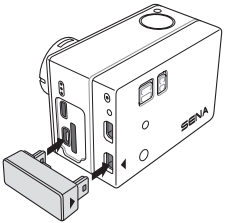
3. GETTING STARTED

Attaching the Bluetooth Pack to the GoPro®

1. Slide the hooked end of the Bluetooth Pack into the groove on the right side of the camera body.
2. Push the Bluetooth Pack into the GoPro® bus port on the back of the camera.

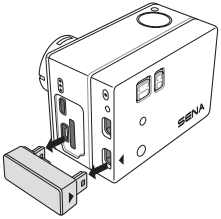


3. Connect the GoPro® to Bluetooth Pack with the Audio Connector.

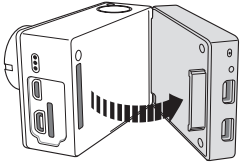


Removing the Bluetooth Pack from the GoPro®

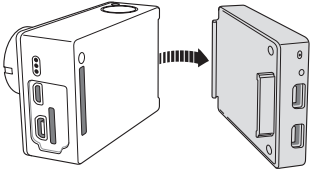
1 Remove the Audio Connector.



2 Pull back on left side of the Bluetooth Pack to disconnect from the GoPro® bus port.

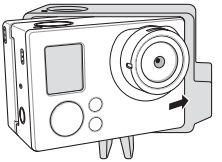


3 Slide the hooked end of the Bluetooth Pack out of camera groove.

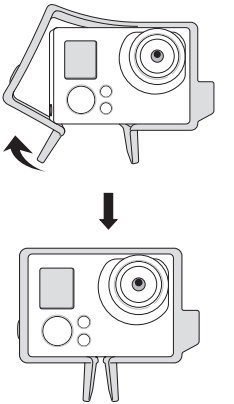


Installing the Case

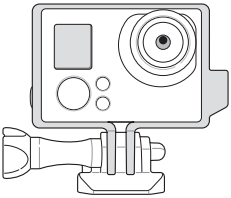
1 Align the Audio Connector with the space on the frame.



2 Lift up the frame case slightly and slide the assembled camera into the frame case. Make sure to align the camera with the edges firmly.



3 You can mount the assembled frame case to helmets, vehicles, and other gears by using the GoPro® accessories: Attachment Buckle and Thumb Screw (sold separately).

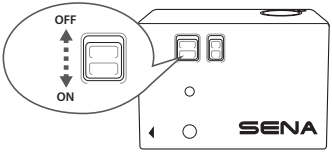


Powering On

Push the Power Switch down to power on, then the LED will flash blue.

Powering Off

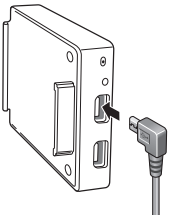
Push the Power Switch upward to power off, then the LED will turn red and automatically be turned off shortly.



Power Switch	Mic Switch	Audio Source
Off	Off	None
	On	Internal microphone of the Bluetooth Pack
On	Off	Microphone of Bluetooth headset
	On	Internal microphone of the Bluetooth Pack + microphone of Bluetooth headset

Charging

You can charge the Bluetooth Pack by connecting a USB power & data cable into a computer USB port or USB wall charger. You can use any standard mini-USB cable including the USB cable supplied in the GoPro® to charge the Bluetooth Pack. The LED turns red while charging, and turns blue when the Bluetooth Pack is fully charged. It takes about 2.5 hours to fully charge.



Checking Battery Level

When you power on the Bluetooth Pack, you can check the battery level in the LED indicator flashing red as below.

LED	Status
4 flashes	High, 70 to 100 % remaining battery
3 flashes	Medium, 30 to 70 % remaining battery
2 flashes	Low, 0 to 30 % remaining battery

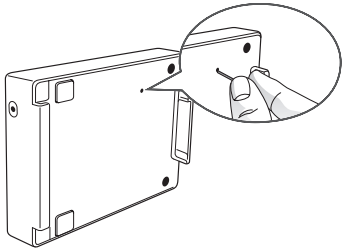
Press the Pairing Button 3 times, you can check the battery level with voice prompts from a connected headset.

When the remaining battery is low, you will also hear a voice prompt saying "Bluetooth Pack low battery" from the connected headset. The Bluetooth Pack will be turned off after 3 minutes.

Fault Reset

When the Bluetooth Pack is not working properly or is in faulty status for any reason, you can reset the Bluetooth Pack.

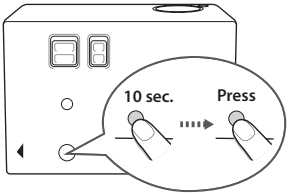
You may reset by having the Bluetooth Pack powered on and pushing the Reset Pin Hole at the back of the Bluetooth Pack. Insert a paper clip into the Reset Pin Hole and press the reset button with light pressure. After the fault reset is completed, the Bluetooth Pack will be automatically turned on.



Factory Reset

Through the factory reset, you can restore the factory default settings of the Bluetooth Pack. Then all of the previous pairing information is deleted.

1. Press and hold the Pairing Button for 10 seconds to enter the factory reset mode. Then the LED will turn red and you can hear the voice prompts from the connected headset.
2. Press the Pairing Button again to reset the Bluetooth Pack.



If you do not press the Pairing Button within 10 seconds after being entered to the factory reset mode, the Bluetooth Pack will exit the factory reset mode automatically.

4. OPERATION

Headset	Audio Recording Mode		Mic Switch	Application
Sena	Single voice	Ultra HD Voice Recording™	Off	• CD-quality voice recording without ambient sound
			On	• CD-quality voice recording with ambient sound
		Normal Voice Recording	Off	• Normal quality voice recording without ambient sound • Advanced Noise Control™
			On	• Normal quality voice recording with ambient sound • Advanced Noise Control™

Headset	Audio Recording Mode		Mic Switch	Application
Sena	Intercom voice	Normal Voice Recording	Off	• Intercom conversation recording • Normal quality voice recording without ambient sound • Advanced Noise Control™
			On	• Intercom conversation recording • Normal quality voice recording with ambient sound
Non-Sena	Single voice	Normal Voice Recording	Off	• Normal quality voice recording without ambient sound
			On	• Normal quality voice recording with ambient sound

Pairing with Headsets

To record your voice to the GoPro® by using the Bluetooth Pack, you should pair the Bluetooth Pack with a Bluetooth headset (or microphone). This pairing operation is only required once for each Bluetooth headset.

The Bluetooth Pack will remain paired with the headsets after the first pairing process is completed and automatically connected to the paired headsets again within the connection range. The pairing procedures of the Sena headsets are different from those of the non-Sena headsets. Make sure to follow the procedures below before pairing each headset.

For Sena Headsets

1. Press and hold the Pairing Button of the Bluetooth Pack for 5 seconds until the LED flashes red and blue alternately.
2. Enter into the intercom pairing mode of the headset. Then the headset is paired automatically with the Bluetooth Pack. You do not need to press any buttons for pairing. For details on intercom pairing, refer to the user's guide of Sena headset.
3. When the LED flashes blue, the pairing is completed. Then you will hear the voice prompt saying "GoPro Pack connected" from the connected Sena headset.

For Non-Sena Headsets

1. Press and hold the Pairing Button of the Bluetooth Pack for 5 seconds until the LED flashes red and blue alternately.
2. Enter into the handsfree pairing mode of the non-Sena headset. For details on handsfree pairing, refer to the user's guide of the corresponding headset.
3. When the LED flashes blue, the pairing is completed. Then you will hear the voice prompt saying "GoPro Pack connected" from the connected corresponding headset.

If the Bluetooth Pack is disconnected from the paired headset suddenly even within the connection range, press the Paring Button once to reconnect to each other.

Start Recording

The Bluetooth Pack will remain paired with the headsets and the audio channel of the Bluetooth Pack is open after the first pairing process is completed. While the audio channel remains open, your voice or intercom conversation keeps being transferred to the GoPro®. Then start recording on the GoPro®, and your voice will be added to the video.

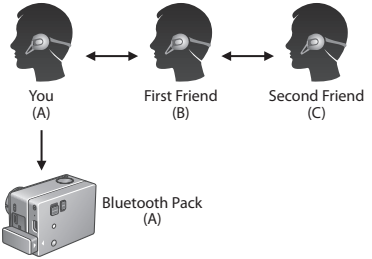
When you connect the GoPro® to the Bluetooth Pack with the Audio Connector, the internal stereo microphones of the GoPro® are disabled and the internal stereo microphones of the Bluetooth Pack operate as that of the GoPro®.

For Sena Headsets

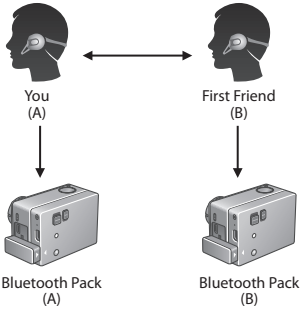
You can connect the Bluetooth Pack with Sena headsets and transfer the conversations to the Bluetooth Pack by establishing intercom connections at the same time.

1. Turn on the paired Sena headset, and then the Bluetooth Pack is automatically connected to the paired headsets.
   The audio channel between the Bluetooth Pack and the Sena headset is open. Then the status LED of the Bluetooth Pack flashes blue.
2. Start recording on the GoPro®.

> You can record intercom conversation among two or three intercom friends who use Sena headsets. For details on intercom conversation, refer to the user's guide of Sena headset.



Bluetooth Pack Connection for Intercom



Dual Bluetooth Pack Connection for Sound Sharing

For Non-Sena Headsets

You can connect the Bluetooth Pack with non-Sena headsets and transfer your voice to the Bluetooth Pack.

1. Turn on the paired non-Sena headset, and then the Bluetooth Pack is automatically connected to the headset.
   The audio channel between the Bluetooth Pack and the non-Sena headset is open. Then the status LED of the Bluetooth Pack flashes blue.
2. Start recording on the GoPro®.

You can open or close the audio channel between the Bluetooth Pack and the headset by pressing the Pairing Button once on the Bluetooth Pack or making a phone call on the headset. Please refer to the headset user's guide for more information.

Ultra HD Voice Recording™ Mode & Normal Voice Recording Mode

When using a Sena headset, Ultra HD Voice Recording™ is supported; it enables you to record your voice in CD-quality with live ambient sound. Ultra HD Voice Recording™ is available only when a single Sena headset is connected with the Bluetooth Pack. It is not supported in conference intercom mode. When you are using a Sena headset, you may switch to Normal Voice Recording Mode if you want to apply normal quality voice recording with the Advanced Noise Control™ feature. If you use non-Sena Bluetooth headset, Normal Voice Recording Mode is the only mode that you may use. You can use this mode after upgrading the latest firmware of the Sena products.

Enabling the Ultra HD Voice Recording™ Mode

Press the Pairing Button once to enable the Ultra HD voice mode. When the mode is set, you can hear a beep and the corresponding voice prompt.

Enabling the Normal Voice Recording Mode

Press the Pairing Button once again to enable the Normal Voice Recording Mode. When the mode is set, you can hear a beep and the corresponding voice prompt.

Sidetone Setting

When using a Sena Headset, you can enable or disable the sidetone function while the audio channel between the Bluetooth Pack and the headset is open. When the sidetone function is enabled, you can hear your own voice echoed from the Bluetooth Pack through the headset.

Enabling the Sidetone

Press the Pairing Button twice to enable the sidetone function.

Disabling the Sidetone

Press the Pairing Button twice again to disable the sidetone function.

Bluetooth Audio Mix

When you turn on the Mic Switch, the internal stereo microphones are activated; the Bluetooth Pack transmits the mixed audio signals from the Bluetooth Pack's internal microphones and the connected headset to the GoPro®. When the Mic Switch is turned off, only the Bluetooth audio from the headset are transferred to the GoPro®.

The Bluetooth Audio Mix function helps you to record your voice with ambient sound. When you are very close to the Bluetooth Pack, your voice may be echoed and recorded together.

Firmware Upgrade

The Bluetooth Pack supports firmware upgrade function. Please visit Sena Bluetooth web site at **www.SenaBluetooth.com** to check the latest software downloads.

5. OPERATION QUICK REFERENCE

Type	Operation	Button	Duration	LED
Basic Function	Power on	Power Switch	Pushing down	Solid blue
	Power off	Power Switch	Pushing upward	Solid red
Pairing	Headset pairing	Pairing Button	5 sec	Blue & red alternatively flashing
	Reconnecting Bluetooth device	Pairing Button	Pressing	
Transmitting Voice Signals for Non-Sena Headsets	Opening audio channel	Making or ending a phone call button		Blue flashing
	Closing audio channel			Red flashing

Type	Operation	Button	Duration	LED
Transmitting Voice Signals for Sena Headsets	Ultra HD Voice Recording™ Mode / Normal Voice Recording toggle	Pairing Button	Pressing	
	Enabling/Disabling the side tone function	Pairing Button	Pressing twice	
Audio Mix	Audio Mix on	Mic Switch	Pushing down	
	Audio Mix off	Mic Switch	Pushing upward	
Battery Check	Battery check	Pairing Button	Pressing three times	
Factory Reset	Entering factory reset mode	Pairing Button	10 sec	Solid red
	Factory reset	Pairing Button	Pressing	Solid purple

6. SPECIFICATIONS

General	Talk time		3 hours
	Stand-by time		3 days
	Operating temperature		-10˚C ~ 55˚C (14°F ~ 131°F)
	Dimensions (main module)		59 mm x 41 mm x 16.6 mm (2.3 inch x 1.6 inch x 0.6 inch)
	Weight		21g
	Working distance	Sena headsets	Ultra HD Voice Recording™: 100 meters (110 yards)
		Non-Sena headsets	Up to 100 meters (110 yards) (It depends on the headset performance.)

General	Battery	Charging time	2.5 hours
		Type	Lithium polymer battery
Bluetooth	Version		Bluetooth 3.0
	Profile		Headset Profile (HSP), Hands-Free Profile (HFP)
Audio			Internal stereo microphones
Compatible models			GoPro® Hero3 , Hero3+

BATTERY INFORMATION

The product has an internal, non-removable, rechargeable battery. Do not attempt to remove the battery from the device as you may damage the device. The battery can be charged and discharged hundreds of times, but it will eventually wear out. Recharge the battery only with Sena approved chargers designated for this device. Use of an unapproved charger may present a risk of fire, explosion, leakage, or other hazard.

Always try to keep the battery between 15°C and 25°C (59°F and 77°F). Extreme temperatures reduce the capacity and lifetime of the battery. A device with a hot or cold battery may not work temporarily. Battery performance is particularly limited in temperatures well below freezing.

Do not dispose of batteries in a fire as they may explode. Batteries may also explode if damaged. Never use any charger that is damaged. Operating times are estimates only and depend on the devices used together, features used, battery age and condition, temperatures to which battery is exposed, and many other factors.

MAINTENANCE AND CARE

The Sena Bluetooth Pack for GoPro® should be treated with care and the following suggestions will help you protect your warranty coverage.

1. Do not use or store the device in dusty, dirty areas. Its moving parts and electronic components can be damaged.
2. Do not store the device in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and wrap or melt certain plastics.
3. Do not store the device in cold areas. When the device returns to its normal temperature, moisture can form inside the device and damage electronic circuit boards.
4. Do not attempt to open the product.
5. Do not drop or knock the device. Rough handling can break internal circuit boards and fine mechanics.
6. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the device.
7. Do not paint the device. Paint can clog the moving parts and prevent proper operation.

DISPOSAL

The crossed-out wheel bin symbol on the product, literature, or packaging reminds you that all electrical and electronic products, batteries, and accumulators must be taken to separate collection at the end of their working life.

This requirement applies to the European Union and other locations where separate collection systems are available. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please do not dispose of these products as unsorted municipal waste, but hand it in at an official collection point for recycling.

CERTIFICATION AND SAFETY APPROVALS

FCC Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause

harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC RF Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. The antenna used for this transmitter must not transmit simultaneously with any other antenna or transmitter, except in accordance with FCC multi-transmitter product procedures.

FCC Caution

Any changes or modifications to the equipment not expressly approved by the party responsible for compliance could void user's authority to operate the equipment.

CE Declaration of Conformity

This product is CE marked according to the provisions of the R&TTE Directive (99/5/EC). Hereby, Sena declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. For further information please consult **www.SenaBluetooth.com**.

Please note that this product uses radio frequency bands not harmonized within EU. Within the EU this product is intended to be used in Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, The Netherlands, Portugal, Spain, Sweden, United Kingdom and within EFTA in Iceland, Norway and Switzerland.

Industry Canada Statement

This device complies with Industry Canada license-exempt RSS standard(s).

Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Bluetooth License

The Bluetooth® word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Sena is under license. Other trademarks and trade names are those of their respective owners.

The Sena Bluetooth Pack for GoPro® is compliant with and adopts the Bluetooth® Specification 3.0 and has successfully passed all interoperability tests that are specified in the Bluetooth® specification. However, interoperability between the device and other Bluetooth®-enabled products is not guaranteed.

Two-Year Limited Warranty

Sena Technologies, Inc. ("Sena") warrants that this product ("Product") shall conform to and perform in accordance with published technical specifications and the accompanying written materials, and shall be free of defects in materials and workmanship, for a period of two (2) year from the date of purchase by the first consumer purchaser of the Product. The limited warranty extends only to the original consumer purchaser of the Product and is not assignable or transferable to any subsequent purchaser/end-user.

This warranty is limited to the repair and/or replacement, at Sena's discretion, of defective or non-conforming Product, and Sena shall not be responsible for the failure of the Product to perform specified functions, or any other non- conformance caused by or attributable to: (a) any misapplication or misuse of the Product; (b) failure of Customer to adhere to any of Sena's specifications or instructions; (c) neglect of, abuse of, or accident to, the Product; or (d) any associated or complementary equipment or software not furnished by Sena.

Limited warranty service may be obtained by delivering the Product to Sena or to the international distributor it was purchased through and providing proof of purchase or receipt date. Customer agrees to insure the Product or assume the risk of loss or damage in transit, to prepay shipping charges to Sena, and to use the original shipping container or equivalent.

Limitation of Liability

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